Washington Transportation Framework for GIS Project (WA-Trans)

WA-Trans Partners Meeting

March 2, 2004

Next Meeting

- ♦ September 7, 2004

- ♦ 9 a.m. – noon

- ♦ 310 Maple Park Ave. SE in Olympia

- ♦ Video-conferencing at WSDOT Regional Office
  - ♦ Shoreline, Vancouver, Yakima, Wenatchee, Spokane

New Partners

◆ City of Auburn,

◆ City of Milton

◆ Indian Health Services

◆ Snoqualmie Tribe*

* Note - Not official partners, but interested in participation

Communication and Outreach

♦ Presentation at the NW Tribal GIS Users Group Meeting in Tulalip,

♦ National URISA Conference

♦ Geospatial One-Stop Portal,

♦ NSDI Task Force Meeting,

♦ GIS Day WA-Trans Display at WSDOT HQ,

♦ Presentation to UW Extension GIS Certification Course,

♦ Presentation on partnership at WA-URISA in April.

Steering Committee News Standards

♦ Standards

- ◆ Established Linear Referencing Methods,
- ◆ Networking Decision – provide input to 3rd party networking software, WA-Trans won't have turntables,
- ◆ Archiving,
- ◆ Accuracy Targets,
- ◆ Currently being written in formal document.

Steering Committee News
Architecture

♦ Will be housed at WSDOT,

♦ Includes the following software tools and processes

◆ Translation,

◆ Access for viewing and downloading,

◆ Integration,

◆ Quality Assurance and Quality Control – Currently being reviewed,

◆ Security – Currently being reviewed.

Steering Committee News
Public Access to Data

♦ WA-Trans Data Defined into Four Types:

- ◆ Type 1 – Data provided by Federal, State or Local Government Agencies subject to Federal and/or State public disclosure laws. Includes other private data when the provider permits.

- ◆ Type 2 – Data provided by Federal, State or Local Government Agencies statutorily exempt from Federal and/or State public disclosure laws.

Public Access to Data

♦ Four Types of WA-Trans Data (Continued):

 ◆ Type 3 – Data provided by Federally recognized and other Indian Tribes,

 ◆ Type 4 – Data provided by private firms or individuals.

♦ Need to see A.G. to find out if we can have Types 2, 3, 4 data on WSDOT server and limit access or refer requestor to original data provider.

Steering Committee News
Public Access to Data

♦ WA-Trans data policy in regard to Type 1 data:

　♦ It is the policy of WA-Trans that the data received from any state or local agency, and thence contained in the Transportation Framework, are public records and shall be disclosed in good faith to the public in accordance with the Public Disclosure Act (PDA), Chapter 42.17 RCW, unless such disclosure would otherwise be prohibited by law.
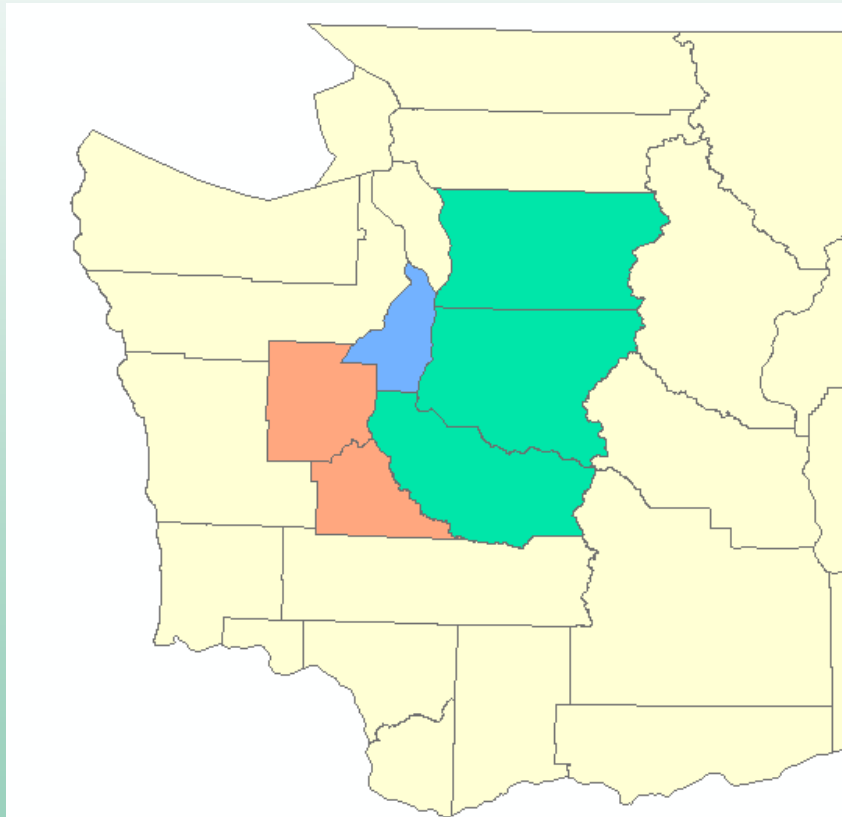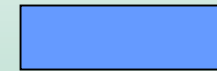
Steering Committee News
Pilot Project Preparation

♦ Communication Plan

  ◆ Change Management Plan

  ◆ Issue Management Plan

♦ Measuring Pilot Success

  ◆ Questionnaire

  ◆ Lessons learned

  ◆ Project tracking against scope, schedule and budget

# Puget Sound Pilot Scope

Sound Transit

PSRC

National Map

Puget Sound Pilot Requirements

- Adding Island County if funding is available.
- High accuracy centerline and addresses required for geocoding (AVL application),
- Must be able to lay transit data on top.
- Requires rail data,
- PSRC requires system wide multi-modal data,
- May include DSHS geocoding daycares,
- Many more requirements to be gathered.

Oregon Washington Pilot Scope
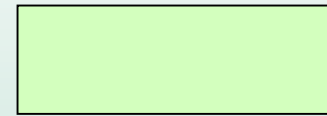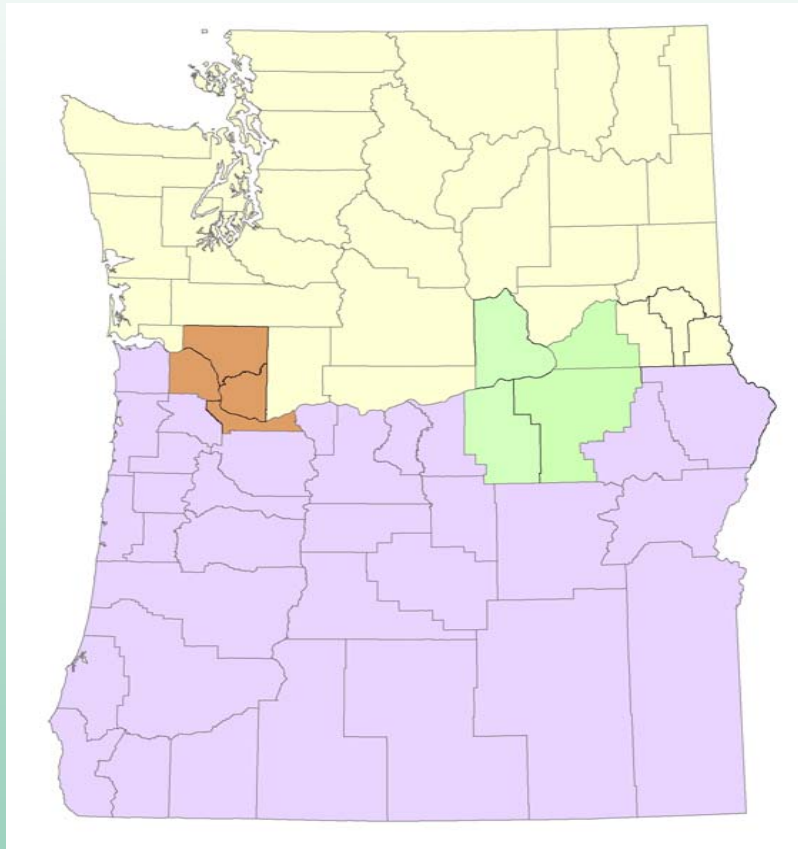
Phase **I**
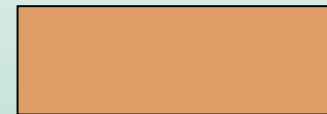
Phase **II**

Oregon/Washington Pilot

◆ Researched Based

◆ Focused on software development

  ◆ Maintenance,

  ◆ Development of a "universal translator",

  ◆ Software solutions for integration and update,

  ◆ Software solutions for QA/QC,

  ◆ Software solutions for upload and download,

  ◆ Synchronization of multi-state databases.

Next Steps

♦ Complete Standards,

♦ Finalized Approval for the Data Model,

♦ Complete Software Tools High Level Specifications,
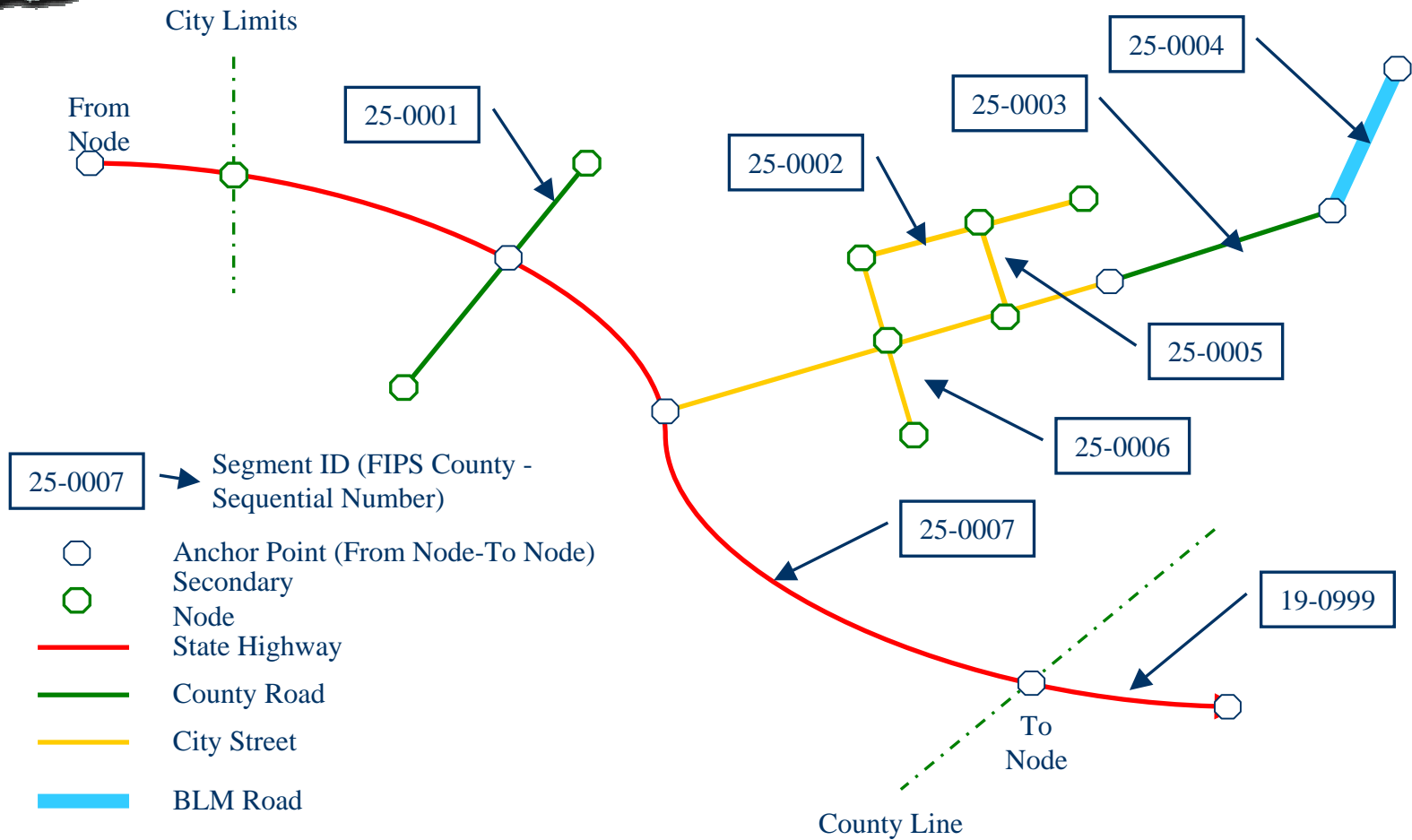
♦ Begin Pilots,

♦ Continue to seek funding.

Data Model

- Use Oregon All-roads (need to come up with a title for WA version,

- Meeting was held November 3 in Portland. Attended by a few steering committee members and representatives from aviation, ferries, rail, freight, and WSDOT IT Office Information Resource and Data Resource Management groups.

Oregon Washington Data Model

WA-Trans
Partnerships Across the State

City Limits

From Node

25-0001

25-0004

25-0003

25-0002

25-0005

25-0006

25-0007

19-0999

25-0007 → Segment ID (FIPS County - Sequential Number)

⬡ Anchor Point (From Node-To Node)
⬡ Secondary Node

— State Highway

— County Road

— City Street

— BLM Road

To Node

County Line

Data Model

♦ Additions:

◆ Method of using survey monument for agreement points,

◆ Ability to document through road authority a non-surveyed agreement point,

◆ Indicator to define a node as an agreement point,

◆ Ability to describe a local linear referencing method for segment,

Data Model

- ◆ Additions:
  - ◆ Segment transport mode code – to show different modes

- ◆ Next Steps:
  - ◆ Schedule another meeting with data modeling group to go over changes and gain approval.

Standards

- ♦ Meta Data – ISB Standards – subset of FGDC meta data standards, see http://www.dis.wa.gov/portfolio/

- ♦ Standards for Horizontal Datum and Coordinate System – ISB Standards, see http://www.dis.wa.gov/portfolio/

- ♦ LRS – Route/Milepost, Address Range, Distance from intersection (implicit),

- ♦ Addressing Schemes – Start with data model.

Standards

♦ Core Attribution is under development,

♦ Archiving – annually with versioning.

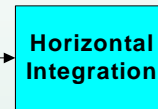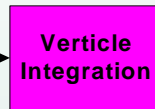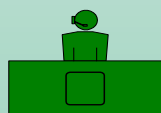♦ Accuracy Standards – See WA-Trans Accuracy Targets Document

Architecture

♦ Data Translation – See Translator Flowchart,

♦ Data viewing and data downloading – See Document,

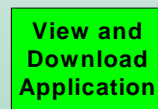♦ Integration software – See Flowchart and document,

Conceptual Architecture
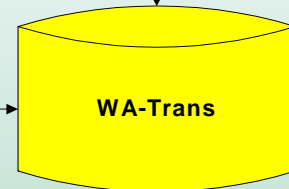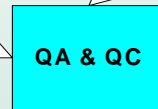
Funding

♦ Applying for a federal earmark. (pilot to cover Puget Sound Region)

♦ Applying for pooled research funding (Oregon/Washington Pilot).

♦ Pursuing grant opportunities.

♦ Applying for state money as matching or to more slowly pursue reduced scope Puget Sound Pilot

Write Letters of Support!!!

♦ Write "To Whom It May Concern",

♦ Generic, explain why your organization is participating,

♦ Use letterhead

♦ Tami Griffin

Washington State Department of Transportation

Geographic Services

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